

DATA SHEET FOR DEEP GROUND BED CATHODIC PROTECTION WELLS
NORTHWESTERN NEW MEXICO

Operator Meridian Oil Inc. Location: Unit 1E Sec. 11 Twp. 32 Rng. 10 22140

Name of Well/Wells or Pipeline Serviced San Juan 30-9 #286

CPST# 2214

Elevation 6875 Completion Date 7-18-91 Total Depth 355 Land Type F

Casing Strings, Sizes, Types & Depths 8" PVC to 100'

If Casing Strings are cemented, show amounts & types used 20 sacks
of neat cement.

If Cement or Bentonite Plugs have been placed, show depths & amounts used
none

Depths & thickness of water zones with description of water: Fresh, Clear,
Salty, Sulphur, Etc. water at 150' to 155' (clear)

Depths gas encountered: no gas.

Ground bed depth with type & amount of coke breeze used: 20 sacks
of Asbury-4515, to a depth of 355'

Depths anodes placed: #1 at 320' and #10 at 160'

Depths vent pipes placed: 320'

Vent pipe perforations: up to casing at 100'

Remarks: _____

RECEIVED

FEB 24 1992

OIL CON. DIV.]

If any of the above data is unavailable, please indicate so. ^{DIST. 3} Copies of all logs, including Drillers Log, Water Analyses & Well Bore Schematics should be submitted when available. Unplugged abandoned wells are to be included.

Land Type may be shown: F-Federal; I-Indian; S-State; P-Fee.
If Federal or Indian, add Lease Number.

CPS GROUND BED CONSTRUCTION WORKSHEET

CPS# 2214-W	P/L NAME(s), NUMBER(s) ST 32-9 & 286					
* 2296	TOTAL	VOLTS	AMPS	- OHMS	DATE	NAME
		17.29	75.4		7-10-91	Randy Smith

REMARKS (notes for construction log)

water at 100' vent pipe is
perforated up to 100'

DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	DEPTH	LOG	ANODE	
	ANODE	*		ANODE	*		ANODE	*		ANODE	*	
100	2.8		295	2.5	Ⓢ	490			685			
105	3.3		300	2.6	Ⓢ	495			690			
110	2.0		305	2.9	Ⓢ	500			695			
115	2.8		310	2.6	Ⓢ	505			700			
120	1.5		315	2.5	Ⓢ	510			ANODE	DEPTH	NO	FULLY
125	2.1		320	2.3	Ⓢ	515			*		COKE	COKE'D
130	2.7		325	1.9		520			1	320	2.4	6.0
135	3.0		330	1.6		525			2	310	2.9	7.4
140	2.5		335	1.4		530			3	300	2.6	7.1
145	2.6		340	1.0		535			4	290	2.6	6.2
150	2.6		345	.7		540			5	260	2.8	6.6
155	3.1		350	.6		545			6	250	2.9	7.8
160	3.1	(12)	355	TD		550			7	240	3.2	8.0
165	2.8		360			555			8	230	2.6	7.1
170	2.2		365			560			9	220	2.5	6.5
175	1.4		370			565			10	210	3.1	7.1
180	.9		375			570			11	200	2.8	6.5
185	1.0		380			575			12	160	2.9	6.0
190	1.1		385			580			13			
195	2.6		390			585			14			
200	2.9	(11)	395			590			15			
205	2.8		400			595			16			
210	3.2	(12)	405			600			17			
215	2.7		410			605			18			
220	2.6	Ⓢ	415			610			19			
225	2.2		420			615			20			
230	2.4	Ⓢ	425			620			21			
235	3.7		430			625			22			
240	3.3	Ⓢ	435			630			23			
245	2.7		440			635			24			
250	2.8	Ⓢ	445			640			25			
255	3.0		450			645			26			
260	2.9	(13)	455			650			27			
265	1.8		460			655			28			
270	.9		465			660			29			
275	.7		470			665			30			
280	.9		475			670						
285	1.6		480			675						
290	2.6	(14)	485			680						

DISTRIBUTION - original - permanent CPS FILE

copy - Division Corrosion Supervisor
copy - Region Corrosion Specialist

API WATER ANALYSIS REPORT FORM

Laboratory No. 25910715-1A

231462

Company <u>MERIDIAN OIL</u>		Sample No.		Date Sampled <u>7/11/91</u>
Field	Legal Description	County or Parish <u>SAN JUAN</u>		State <u>N.M.</u>
Lease or Unit	Well <u>SJ32-9 # 286</u>	Depth	Formation	Water, B/D
Type of Water (Produced, Supply, etc.) <u>GROUND BEG</u>		Sampling Point <u>WATER TABLE</u>		Sampled By <u>R. SMITH.</u>

DISSOLVED SOLIDS

CATIONS

	mg/l	me/l
Sodium, Na (calc.)	<u>2600</u>	<u>110</u>
Calcium, Ca	<u>12</u>	<u>0.6</u>
Magnesium, Mg	<u>12</u>	<u>1.0</u>
Barium, Ba		

OTHER PROPERTIES

pH	<u>8.1</u>
Specific Gravity, 60/60 F.	<u>1.0072</u>
Resistivity (ohm-meters)	<u>1.08</u>

Total Dissolved Solids (calc.)

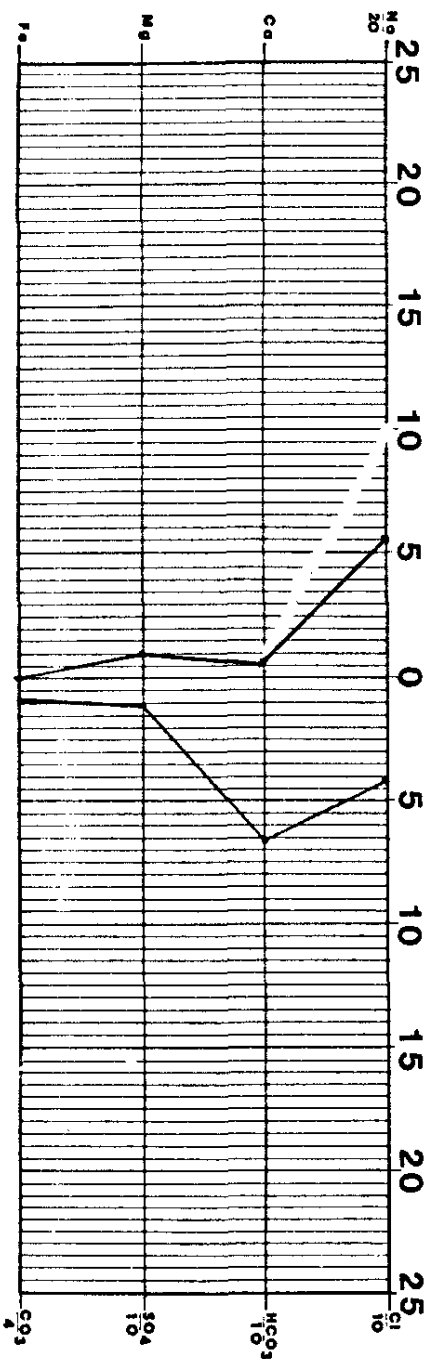
10,000

ANIONS

Chloride, Cl	<u>1500</u>	<u>42</u>
Sulfate, SO ₄	<u>210</u>	<u>4.4</u>
Carbonate, CO ₃	<u>110</u>	<u>3.6</u>
Bicarbonate, HCO ₃	<u>4000</u>	<u>6.6</u>

Iron, Fe (total)
Sulfide, as H₂S

REMARKS & RECOMMENDATIONS:



Date Received <u>6/15/91</u>	Preserved <u>N6</u>	Date Analyzed <u>07/16/91</u>	Analyzed By <u>RS</u>
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